Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/09/2018 10:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125685	0	2.35	125692	2.37
Blue	F	SSC	125000	124767	-1	2.35	125592	2.34
Blue	E	FITC	15492	15036	-3	3.53	348	22.18
Blue	D	PE	28736	28020	-3	2.82	617	16.47
Blue	B	PerCP-Cy5-5	41413	41500	0	4.97	1145	23.36
Blue	A	PE-Cy7	31321	31266	-1	8.37	568	53.31
Red	C	APC	41673	41109	-2	3.06	1582	13.55
Red	A	APC-Cy7	29962	29531	-2	3.75	762	14.42
Violet	B	V450	8318	7949	-5	4.32	439	14.37
Violet	A	V500	34199	33309	-3	3.92	799	11.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20392	4.12	613	0	N/A	N/A	Pass
Blue	F	SSC	55950	2.16	578	10	N/A	N/A	Pass
Blue	E	FITC	58	76.03	560	-1	0.0157	199	Pass
Blue	D	PE	123	60.73	560	0	0.1466	396	Pass
Blue	B	PerCP-Cy5-5	211	58.47	671	4	0.0072	102	Pass
Blue	A	PE-Cy7	113	128.75	734	12	0.0071	19	Pass
Red	C	APC	363	28.74	603	2	0.0187	113	Pass
Red	A	APC-Cy7	190	32.73	581	5	0.0045	1510	Pass
Violet	B	V450	66	72.87	475	-2	0.0566	3494	Pass
Violet	A	V500	114	39.25	493	-1	0.0196	1078	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.13	-31.88	1.12
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.49
Red	16.46	13.60 - 20.40	N/A	N/A	29.34	29.55	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9954

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments